

# Interactions with other activities

Peter Thorne, Elizabeth Kent, Nick Rayner, Stephan Bojinski,  
Thomas Peterson, Dick Dee, John Christy

# Rationale

- This project cannot exist in isolation
  - Other parameters
  - 71% of earth's surface is ocean
  - Significant and ever growing importance of reanalyses
  - Too many acronyms in climate science already
- Need to help foster linkages – they won't happen by luck

# Current recommendations

- 1) The development of a land surface temperature databank should allow for the extension to multivariate datasets and compatibility with global databanks from the outset.
- 2) Digitization activities should take a multivariate approach and always incorporate all metadata.
- 3) Emerging links between land and ocean dataset developers and researchers should be fostered and facilitated by the development of compatible databanks, data products and joint research projects.

- 4) Appropriate linkage to the activities supported by space agencies aimed at the generation of long-term climate data records addressing the GCOS Essential Climate Variables should be established when developing the surface temperature databank. The experience of GHRSSST in the combined management and use of satellite and in situ data should be exploited.
- 5) Research is needed to improve multivariate analysis methods and to develop techniques to produce consistent global data products.

6) The important role of reanalysis in providing global multivariate analyses with wide application including quality assessment should be recognized. These products will form an essential part of a successful surface temperatures project providing both a set of estimates and a wealth of metadata regarding the data quality.

7) Funding agencies should recognize that an internationally coordinated and sustained approach to the development, maintenance and improvement of climate databanks and derived data products will have wide benefits. This most logically includes a CMIP type portal for climate data records from all observing platforms with common formats and strong naming conventions to enable ease of intercomparison.